

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/044178 A3

(51) International Patent Classification⁷: **A61K 31/445**,
31/415

(21) International Application Number:
PCT/US2004/012721

(22) International Filing Date: 23 April 2004 (23.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/693,794 23 October 2003 (23.10.2003) US

(71) Applicant (for all designated States except US): **CEL-
GENE CORPORATION** [US/US]; 7 Powder Horn Drive,
Warren, NJ 07059 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ZELDIS, Jerome,
B.** [US/US]; 157 Christopher Drive, Princeton, NJ 08540
(US). **FALECK, Herbert** [US/US]; 19 Lakeview Drive,
West Orange, NJ 07052 (US). **MANNING, Donald, C.**
[US/US]; 16 Johnston Drive, Bloomsbury, NJ 08804 (US).

(74) Agents: **INSOGNA, Anthony, M.** et al.; Jones Day, 222
East 41st Street, New York, NY 10017-6702 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
27 October 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF USING AND COMPOSITIONS COMPRISING IMMUNOMODULATORY COMPOUNDS FOR
TREATMENT, MODIFICATION AND MANAGEMENT OF PAIN

(57) Abstract: Methods of treating, preventing, modifying and managing various types of pain are disclosed. Specific methods com-
prise the administration of an immunomodulatory compound, or a pharmaceutically acceptable salt, solvate, hydrate, stereoisomer,
clathrate, or prodrug thereof, alone or in combination with a second active agent and/or surgery, psychological or physical therapy.
Pharmaceutical compositions, single unit dosage forms, and kits suitable for use in methods of the invention are also disclosed.

WO 2005/044178 A3